

International Application No.: PCT/JP03/10282

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IN THE ABSTRACT:

Please replace the Abstract of the Disclosure originally filed with the above-identified patent application with the following Abstract:

ABSTRACT OF THE DISCLOSURE

An antenna apparatus includes two circular waveguides including a fixed-side circular waveguide and a rotation-side circular waveguide, each having a propagation mode in a TM01 mode, and being arranged coaxially with each other while a waveguide-side choke is provided between the two waveguides. A rectangular waveguide is connected to the fixed-side circular waveguide. Thereby, the high-frequency signal fed from the rectangular waveguide to the fixed-side circular waveguide can be radiated from a primary radiator to which the rotation-side circular waveguide is connected. While the circular waveguides 1 and 3 and the waveguide-side choke 4 can constitute a rotary joint, by rotating the primary radiator 5 together with the rotation-side circular waveguide 3, scanning can be carried out with a high-frequency signal radiated from the primary radiator 5.